

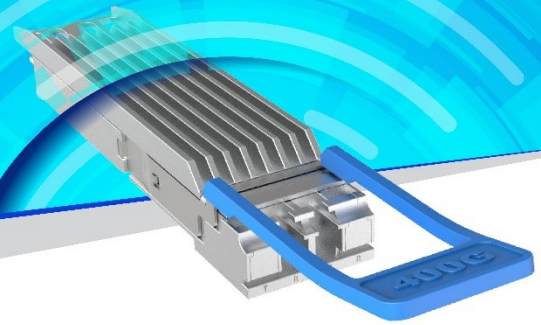
## PRODUCT DETAILS

Eoptolink's 400G 10km OSFP Optical Transceiver



# EOLO-164HG-10-46

400G or 4x100G OSFP  
With Duplex LC interface



## Product Description

Eoptolink's OSFP transceiver module is designed for use in 400 Gigabit Ethernet links over 10km single mode fiber with FEC. The module has 8 independent electrical input/output channels operating at 53.125Gbps per channel. The integrated GearBox in module converts the 8 channels of 53.125Gbps (PAM4) electrical input data to 4 channels of parallel optical signals, each capable of 106.25Gbps (PAM4) operation for an aggregate data rate of 400Gbps. The optical side of transceiver consists of 4 independent channels on CWDM4 1271/1291/1311/1331nm center wavelength. The electrical interface of the module is compliant with the 400GAUI-8 interface as defined by IEEE 802.3bs, and compliant with OSFP MSA.

## Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Up to 10km over SMF
- Duplex connector
- OSFP MSA compliant
- PIN and TIA array on the receiver side
- Power dissipation < 10W
- Case temperature range: 0°C to 70°C (commercial)
- I<sup>2</sup>C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA\*<sup>1</sup>
- RoHS Compliant

## Applications

- 4 x 100G-LR4 applications
- Data center

## Ordering Information



Part No.	Data Rate	Fiber	Distance* <sup>2</sup>	Interface	Temp.	DDMI	CMIS
EOLO-164HG-10-46	425Gbps	SMF	10km	LC	0~70°C	Yes	CMIS4.0* <sup>3</sup>

\*1: For the latest certification information, please check with Eoptolink.

\*2: Over G.652 SMF.

\*3: CMIS4.0 or later version.

\*The product image is only for reference purpose.

## Quality

Eoptolink Technology has passed many quality system verifications, established an internationally standardized quality assurance system and strictly implemented standardized management and control in the course of design, development, production, installation and service. For latest certification/accreditation numbers, please contact us.



## Notice

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